# JAVA.LANG.BYTE CLASS

## Introduction

The **java.lang.Byte** class wraps a value of primitive type byte in an object. An object of type Byte contains a single field whose type is byte.

## Class declaration

Following is the declaration for **java.lang.Byte** class:

```
public final class Byte
    extends Number
        implements Comparable<Byte>
```

## Field

Following are the fields for **java.lang.Byte** class:

- **static byte MAX_VALUE** -- This is constant holding the maximum value a byte can have, $2^7$-1.

- **static byte MIN_VALUE** -- This is constant holding the minimum value a byte can have, $-2^7$.

- **static int SIZE** -- This is the number of bits used to represent a byte value in two's complement binary form.

- **static Class<Byte> TYPE** -- This is the Class instance representing the primitive type byte.

## Class constructors

| S.N. | Constructor & Description |
|------|---------------------------|
| 1 | **Byte(byte value)** <br> This constructs a newly allocated Byte object that represents the specified byte value. |
| 2 | **Byte(String s)** <br> This constructs a newly allocated Byte object that represents the byte value indicated by the String parameter. |

## Class methods

| S.N. | Method & Description |
|------|----------------------|
| 1 | byte byteValue() <br> This method returns the value of this Byte as a byte. |
| 2 | int compareTo(Byte anotherByte) <br> This method compares two Byte objects numerically. |
| 3 | static Byte decode(String nm) <br> This method decodes a String into a Byte. |

| 4 | double doubleValue() <br> This method returns the value of this Byte as a double. |
|---|---|
| 5 | boolean equals(Object obj) <br> This method compares this object to the specified object. |
| 6 | float floatValue() <br> This method returns the value of this Byte as a float. |
| 7 | int hashCode() <br> This method returns a hash code for this Byte. |
| 8 | int intValue() <br> This method returns the value of this Byte as an int. |
| 9 | long longValue() <br> This method returns the value of this Byte as a long. |
| 10 | static byte parseByte(String s) <br> This method parses the string argument as a signed decimal byte. |
| 11 | static byte parseByte(String s, int radix) <br> This method parses the string argument as a signed byte in the radix specified by the second argument. |
| 12 | short shortValue() <br> This method returns the value of this Byte as a short. |
| 13 | String toString() <br> This method returns a String object representing this Byte's value. |
| 14 | static String toString(byte b) <br> This method returns a new String object representing the specified byte. |
| 15 | static Byte valueOf(byte b) <br> This method returns a Byte instance representing the specified byte value. |
| 16 | static Byte valueOf(String s) <br> This method returns a Byte object holding the value given by the specified String. |
| 17 | static Byte valueOf(String s, int radix) <br> This method returns a Byte object holding the value extracted from the specified String when parsed with the radix given by the second argument. |

## Methods inherited

This class inherits methods from the following classes:

- java.lang.Object